Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

the report of the content of the persons are						
UTILITY	Attorney Docket No.	9501-71831				
PATENT APPLICATION TRANSMITTAL	First Inventor	Samuel N. Crane Jr. et al.				
	Title	Method and Apparatus for Trapping an				
for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label	EV337240855US				

(Only for new nonprovisional applications under 3	7 CFR 1.53(b)) Express	Mail Label	EV337240855US
APPLICATION ELEMI See MPEP chapter 600 concerning utility pate			Mail Stop Patent Application Commissioner for Patents P. O. Box 1450 Alexandria VA 22313-1450
1. Fee Transmittal Form (e.g., PTo (Submit an original, and a duplicate of Submit an original, and a duplicate of See 37 CFR 1.27. 3. Specification [To Compare of Submit an original, and a duplicate of See 37 CFR 1.27. 3. Specification [To Compare of Submit and	for fee processing) atus. Fotal Pages 41 / / / / / / / / / / / / / / / / / /	(if app. a. b. c.	CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) Ileotide and/or Amino Acid Sequence Submission opplicable, all necessary) Computer Readable Form (CRF) Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper
a. Newly executed (origin b. Copy from a prior appl (for continuation/divisional i. DELETION OF Signed statement	Fotal Pages 3] Jal or copy) Jacation (37 CFR 1.63(d) With Box 18 completed) INVENTOR(S) attached deleting inventor r application, see 37 CFR (3(b).	15.	English Translation Document (if applicable) Information Disclosure Statement (IDS)/PTO-1449 Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
specification following the title, or in an Application Continuation Divisional Prior application information: Examin For CONTINUATION OR DIVISIONAL APPS under Box 5b, is considered a part of the di	n Data Sheet under 37 CF Continuation-in-pi ner only: The entire disclosi sclosure of the accomp	R 1.76: art (CIP) of p ure of the prior anying continua as been inadve	prior application No.: Group / Art Unit: or application, from which an oath or declaration is supplied uation or divisional application and is hereby incorporated by the prior of the submitted application parts. ADDRESS
Customer Number:	236	43	or Correspondence address below
Name			
Address			
City	State		Zip Code
Country	Telephone		Fax
Name (Print/Type) Shawn D. Bauer Signature	3	Regi	gistration No. (Attorney/Agent) 41,603 Date 10/24/03

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete. including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

BARNES & THORNBURG

11 South Meridian Street Indianapolis, IN 46204 (317) 236-1313 (317) 231-7433 Fax

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Unknown Group: Confirmation No.: Unknown Unknown Application No.: Invention: METHOD AND APPARATUS FOR TRAPPING AND PURGING SOOT FROM A FUEL REFORMER Samuel N. Crane Jr. et al. Applicant: Filed: Herewith (October 24, 2003) Attorney 9501-71831 Docket: Unknown Examiner:

CERTIFICATE UNDER 37 C.F.R. § 1.10

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on October 24, 2003. The Express Mail mailing label number is EV337240855US.

Respectfully submitted,

BARNES & THORNBURG

Karla I. Mays

SDB/kim Indianapolis, IN (317) 231-7313

INDS02 SDB 616281v1

Complete if Known

Herewith (October 24, 2003)

Samuel N. Crane Jr. et al.

Unknown

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Filing Date

Application Number

First Named Inventor

TRANSMITTAI

for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Signature

Applicant claims small entity status. See 37 CFR 1.27		Examiner Name				Unknown			
		Art Unit				Unknown			
TOTAL AMOUNT OF PAYMENT (\$) \$954		.00 Attorney Docket No.			۷o.	9501-71831			
METHOD OF PAYMENT (check all	that apply)	FEE CALCULATION (continued)							
Check Credit card Money Other None 3.			3. ADDITIONAL FEES						
Deposit Account:	Large Fee	e Entity Fee	Small Fee	<u>Entity</u> Fee	-				
Deposit Account 10-0435	Cod	e (\$)	Code	(\$)	Constant	Fee Description		Fee Paid	
Account Number 10-0435	105		2051			ge - late filing fee or			
Deposit Account BARNES & THORNBU	105	52 50	2052		sheet	ge - late provisional	illing tee or cover		
Name BARNES & THORNE	105	53 130	1053	130	Non - Er	nglish specification			
The Director is authorized to: (check all that apply)	181	12 2,520	1812 2	2,520	For filing	a request for ex pa	rte reexamination		
Charge fee(s) indicated below Credit any over	payments 180	04 920*	1804		Request action	ting publication of SI	R prior to Examiner		
Charge any additonal fee(s) or any underpayment of fee	e(s) 180	05 1,840*	1805 1	,840*	Request	ting publication of SI	R after Examiner		
Charge fee(s) indicated below, except for the filing fee	125	51 1 1 0	2251		action Extension	on for reply within firs	st month	<u> </u>	
to the above-identified deposit account.	125		2251			on for reply within se			
FEE CALCULATION	125		2252			on for reply within this			
1. BASIC FILING FEE		54 1,480	2254			on for reply within fou			
Large Entity Small Entity Fee Fee Fee Fee Description	125	55 2,010	2255 1			on for reply within fift			
Code (\$) Code (\$)	ree Paid	· ·	2401			f Appeal			
1001 770 2001 385 Utility filing fee	770.00		2402			brief in support of an	anneal		
1002 340 2002 170 Design filing fee	140		2403			for oral hearing	аррос.		
1003 530 2003 265 Plant filing fee 1004 770 2004 385 Reissue filing fee		51 1.510	1451 1		•	to institute a public u	use proceeding		
1004 770 2004 385 Reissue filing fee 1005 160 2005 80 Provisional filing fee	145		2452	•		to revive - unavoidal			
		53 1,330	2453			to revive - unintentio			
· · · · · · · · · · · · · · · · · · ·	150		2501	665	Utility iss	sue fee (or reissue)			
2. EXTRA CLAIM FEES FOR UTILITY AN	D 150	,	2502		Design i	· · · · · · · · · · · · · · · · · · ·			
Fee from Extra Claims below	Fee Paid 150		2503		Plant iss				
Total Claims 28 -20** = 8 X 18.00	146	50 130	1460	130	Petitions	s to the Commission	er		
independent 3 - 3** = 0 X 86.00	180	07 50	1807	50	Process	ing fee under 37 CF	R § 1.17(q)		
Multiple Dependent Large Entity Small Entity	180	06 180	1806		Submiss	sion of Information D	isclosure		
Fee Fee Fee Fee Fee Description Code (\$)	802	21 40	8021	40	Recordin	ng each patent assig umber of properties)	nment per property	40.00	
1202 18 2202 9 Claims in excess of 20	180	09 770	2809	385	Filing a	submission after fina § 1.129(a))			
1201 86 2201 43 Independent claims in e 1203 290 2203 145 Multiple dependent clair	181	10 770	2810	385	For each	n additional invention § 1.129(b))	to be examined		
1204 86 2204 43 ** Reissue independent	·	01 770	2801		-	for Continued Exan	nination (RCE)		
over original patent 1205 18 2205 9 ** Reissue claims in exc	180	900	1802			for expedited examign application	ination		
and over original pate	nt	Other fee (specify)			J. a desi	igii appiioation			
SUBTOTAL (2) (\$)	\$144.00								
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) \$40.00							\$40.00		
SUBMITTED BY Complete (if applicable)									
Name (Print/Type) Shawn D. Baue	r	Registra	ation No.		41,603	Telephone	(317) 231-7	7313	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

(Attorney/Agent)

Date

9501-71831